6. (Amended) A reagent according to Claim 5, wherein said antigenic peptide (1) and said mixotope (2) are attached to said support sequentially.

7. (Amended) A reagent according to Claim 1, wherein the ratio of antigenic peptide to mixotope in the mixture is between 1:10 and 1:100.

8. (Amended) An enzyme immunological method of diagnosing an HIV-1 infection, which employs a diagnostic reagent according to Claim 1.

9. (Amended) A method according to Claim 8, which comprises:

- bringing a serum to be analysed into contact with a reagent comprising a mixture consisting of (1) an antigenic peptide coded for by the *pol* gene of HIV-1 and comprising at most 60 amino acids, and (2) a mixture, called a mixotope, of convergent combinatorial peptides derived from said antigenic peptide;
- adding anti-human Ig antibodies coupled with an enzyme; and
- qualitatively and/or quantitatively disclosing the anti-integrase antibodies which may be present in the serum to be analysed by adding the enzyme substrate.

10. (Amended) A method according to Claim 8, which comprises:

- attaching to a support a reagent comprising a mixture consisting of (1) an antigenic peptide coded for by the *pol* gene of HIV-1 and comprising at most 60 amino acids, and (2) a mixture, called a mixotope, of convergent combinatorial peptides derived from said antigenic peptide;
- adding the serum to be analysed;
- detecting the attachment of the anti-integrase antibodies present in said serum by adding anti-human IgG antibodies coupled with an enzyme; and
- qualitatively and/or quantitatively disclosing said antibodies in a spectrophotometer by adding the enzyme substrate.

11. (Amended) A kit for diagnosing an HIV-1 infection, which comprises at least one reagent according to Claim 1.

12. (New) A reagent according to Claim 1, wherein said antigenic peptide comprises between 20 and 40 amino acids.

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13. (New) A reagent according to Claim 5, wherein said solid support comprises a microtitre plate.